



MICROGRAPHIA

Figure. The length and shape of the part of the Scale by the skin, is evidenced by the first *Figure*; which is one of them pluck'd out and view'd through a good glass, the part LFG GFL, wherein is also more plainly to be seen the carving of the scoopt part of every particular Scale, the barr EEE is alternately hollowed or engraven, and between them is terminated with very transparent spikes, and how every other of these, as A A A A, and the interjacent ones, DDD.

The texture or form also of the hidden part appears, the middle part, GGG, seems to consist of a great number of pipes, by which, perhaps, the whole may be nourished; the parts FF consist of a more fibrous texture, though the Scale seem'd to be of a very tough grilly substance, like that of other Fishes.

The Scales of the skin of a Dog-fish (which is used for Wood, for the smoothing of their work, and consists plain to the naked eye, of a great number of small horny points) through the appearance of each of them curiously ridg'd, and very near together, you can hardly look on the scales of any Fish, but with an abundance of curiosity and beautifying; and not only in the shells and crusts or armour of most sorts of *Marine*

Observ. XXXIV. Of the Sting of

THe Sting of a Bee, delineated in the second *Figure*, seems to be a weapon of offence, and is as great a Nature did really intend revenge as any, and that it seems to be no other use of it. Secondly, by reason of its seeming to be purposely shap'd for that very end, the violence of the liquor it ejects, and the sad effects and pain it follows.

But whatever be the use of it, certain it is, that the structure is admirable; what it appears to the naked eye, I need not say, being known almost to every one, but it appears by the microscope, to consist of two parts, the one a sheath, with a sharp point almost like the Holster of a Pistol, beginning at *b*, this sheath I could most plainly perceive to be contained in it, both a Sword or Dart, and the poisonous liquor. The sheath or case seem'd to have several joints marked by *f g h i k l m n o*, it was arm'd moreover with several crooks or forks (*p q r s t*) on one side, and (*p q r s t*) on the other, each of which seem'd like so many Thorns growing out of the sheath, like so many Cat's Claws; for the crooks themselves were sharp transparent points or claws, growing out of the